

Regional HIV/AIDS Epidemiologic Profile of Suffolk, Massachusetts: FY 2008

Table 1. Total number of people reported with HIV infection or AIDS¹ by mortality status on December 31, 2007 Suffolk, Massachusetts

	N	%
People Living with HIV/AIDS	5,386	57%
People Reported with HIV or AIDS who are Deceased	4,141	43%
Total Number of People Reported with HIV Infection or AIDS	9,527	100%

¹ Does not include individuals diagnosed with HIV infection (non-AIDS) who died prior to January 1, 1999 or who were not in care on January 1, 1999.

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 2. Average annual rate of HIV infection diagnosis from 2004 to 2006 and rate of people living with HIV/AIDS on 12/31/07¹: Suffolk, Massachusetts

Average annual HIV diagnosis rate from 2004–2006	Average Rate per 100,000	Average Number of HIV Diagnoses
Suffolk, MA	38 per 100,000	265
Massachusetts Total	13 per 100,000	857
Rate of people living with HIV/AIDS on 12/31/07	Rate per 100,000	Number of People Living with HIV/AIDS
Suffolk, MA	781 per 100,000	5,387
Massachusetts Total	267 per 100,000	16,977

¹ Population sizes for rate calculations are based on year 2000 population estimates from the MDPH Center for Health Information, Statistics, Research and Evaluation

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 3. People living with HIV/AIDS¹, deaths among people reported with HIV/AIDS, and newly diagnosed HIV infections by year²: 1999–2006, Suffolk, Massachusetts

Year	HIV/AIDS Prevalence	Deaths among those with HIV/AIDS	Diagnosis of HIV Infection
1999	3,847	106	369
2000	4,116	108	377
2001	4,315	120	319
2002	4,563	111	359
2003	4,767	112	316
2004	4,969	89	291
2005	5,173	88	292
2006	5,306	78	211

¹ Number of People living with HIV/AIDS on 12/31 of each year

² Reflects year of diagnosis for HIV infection among all individuals reported with HIV infection, with or without an AIDS diagnosis
Data source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 4. People diagnosed with HIV infection from 2004–2006¹ and people living with HIV/AIDS on December 31, 2007 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Suffolk, Massachusetts

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	629	79%	4,116	76%
Female	165	21%	1,271	24%
Place of Birth:	N	%	N	%
US	527	66%	3,801	71%
Puerto Rico/US Dependency ²	38	5%	354	7%
Non-US	229	29%	1,232	23%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	295	37%	2,237	42%
Black (non-Hispanic)	313	39%	2,050	38%
Hispanic	172	22%	995	18%
Other/Undetermined ³	14	2%	105	2%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	394	50%	2,474	46%
Injection Drug Use (IDU)	68	9%	905	17%
MSM/IDU	14	2%	175	3%
Heterosexual Sex	56	7%	596	11%
Other	6	1%	104	2%
Total Undetermined	256	32%	1,133	21%
• Presumed Heterosexual Sex ⁴	158	20%	817	15%
• Undetermined ⁵	98	12%	316	6%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2007	
Under 13	5	1%	17	<1%
13 to 19	12	2%	47	1%
20 to 24	60	8%	71	1%
25 to 29	96	12%	179	3%
30 to 34	119	15%	340	6%
35 to 39	148	19%	661	12%
40 to 44	163	21%	1,126	21%
45 to 49	97	12%	1,196	22%
50 to 54	43	5%	901	17%
55 to 59	24	3%	399	7%
60+	27	3%	450	8%
TOTAL	794	100%	5,387	100%

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁴ Heterosexual sex with partners with unknown risk and HIV status

⁵ Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 5. People living with HIV/AIDS on December 31, 2007 by gender and race/ethnicity: Suffolk, Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	2,047	50%	190	15%
Black Non-Hispanic	1,233	30%	817	64%
Hispanic	757	18%	238	19%
Other/Undetermined ¹	79	2%	26	2%
Total	4,116	100%	1,271	100%

¹ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 6. People living with HIV/AIDS on December 31, 2007 by gender and exposure mode: Suffolk, Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	2,474	60%	N/A	N/A
Injection drug use (IDU)	620	15%	285	22%
MSM/IDU	175	4%	N/A	N/A
Heterosexual sex	194	5%	402	32%
Other	55	1%	49	4%
Total Undetermined	598	15%	535	42%
• Presumed heterosexual sex ¹	390	9%	427	34%
• Undetermined ²	208	5%	108	8%
Total	4,116	100%	1,271	100%

¹ Heterosexual sex with partners with unknown risk and HIV status

² Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up; N/A=Not Applicable

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 7. People diagnosed with HIV infection by gender and year of diagnosis: Suffolk, Massachusetts, before 1999, 1999–2006¹

	Male		Female		Total
	N	%	N	%	
< 1999	5,622	81%	1,288	19%	6,910
1999	253	69%	116	31%	369
2000	272	72%	105	28%	377
2001	242	76%	77	24%	319
2002	262	73%	97	27%	359
2003	229	72%	87	28%	316
2004	222	76%	69	24%	291
2005	224	77%	68	23%	292
2006 ²	183	87%	28	13%	211

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 8. People diagnosed with HIV infection by race/ethnicity and year of diagnosis: Suffolk, Massachusetts, before 1999, 1999–2006¹

	White NH		Black NH		Hispanic		Other/ Undetermined ²		Total
	N	%	N	%	N	%	N	%	
< 1999	3,482	50%	2,469	36%	898	13%	61	1%	6,910
1999	133	36%	153	41%	70	19%	13	4%	369
2000	123	33%	172	46%	69	18%	13	3%	377
2001	121	38%	142	45%	46	14%	10	3%	319
2002	132	37%	151	42%	67	19%	9	3%	359
2003	115	36%	128	41%	68	22%	5	2%	316
2004	106	36%	127	44%	52	18%	6	2%	291
2005	94	32%	117	40%	76	26%	5	2%	292
2006 ³	95	45%	69	33%	44	21%	3	1%	211

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ 2006 data are preliminary

NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 9. People diagnosed with HIV infection by place of birth and year of diagnosis: Suffolk, Massachusetts, before 1999, 1999–2006¹

	US		Puerto Rico/ US Dependency ²		Non-US		Total
	N	%	N	%	N	%	
< 1999	5,493	79%	485	7%	932	13%	6,910
1999	257	70%	22	6%	90	24%	369
2000	233	62%	22	6%	122	32%	377
2001	218	68%	12	4%	89	28%	319
2002	225	63%	14	4%	120	33%	359
2003	207	66%	17	5%	92	29%	316
2004	200	69%	9	3%	82	28%	291
2005	188	64%	19	7%	85	29%	292
2006 ³	139	66%	10	5%	62	29%	211

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 10. People diagnosed with HIV infection by exposure mode and year of diagnosis: Suffolk, Massachusetts, before 1999, 1999–2006¹

	MSM		IDU		MSM/ IDU		HTSX		Other		Pres. HTSX ²		Undeter- mined ³		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
<1999	3,370	49%	1768	26%	300	4%	572	8%	177	3%	505	7%	218	3%	6,910
1999	138	37%	75	20%	10	3%	56	15%	7	2%	68	18%	15	4%	369
2000	141	37%	52	14%	5	1%	52	14%	2	1%	97	26%	28	7%	377
2001	131	41%	44	14%	6	2%	36	11%	1	<1%	74	23%	27	8%	319
2002	147	41%	43	12%	12	3%	61	17%	3	1%	67	19%	26	7%	359
2003	132	42%	34	11%	7	2%	35	11%	3	1%	66	21%	39	12%	316
2004	127	44%	28	10%	6	2%	21	7%	3	1%	65	22%	41	14%	291
2005	142	49%	29	10%	5	2%	22	8%	2	1%	55	19%	37	13%	292
2006 ⁴	125	59%	11	5%	3	1%	13	6%	1	<1%	38	18%	20	9%	211

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Heterosexual sex with partners with unknown risk and HIV status

³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

⁴ 2006 data are preliminary

MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 11. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by year of diagnosis: Suffolk, Massachusetts, 1999–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Year:	N	N	%
1999	114	369	31%
2000	97	377	26%
2001	72	319	23%
2002	84	359	23%
2003	86	316	27%
2004	69	291	24%
2005	69	292	24%
2006	60	211	28%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS
Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 12. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by gender, race/ethnicity, and place of birth: Suffolk, Massachusetts, 2004–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Gender:	N	N	%
Male	158	629	25%
Female	40	165	24%
Race/Ethnicity:	N	N	%
White (non-Hispanic)	58	295	20%
Black (non-Hispanic)	91	313	29%
Hispanic	47	172	27%
Other/Undetermined ²	2	14	14%
Place of Birth:	N	N	%
US	113	527	21%
Puerto Rico/US Dependencies ³	9	38	24%
Non-US	76	229	33%
Total	198	794	25%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08